P. O. Box 232
Kerrville, Texas

July 6, 1951

To: E. F. Knipling, In Charge, Division of Insects Affecting Man and Animals

From: C. L. Smith, Acting in Charge, Kerrville, Texas

Subject: Big Stinky Fly Traps and Tifa Fog Applicator

Transmitted herewith are reports relative to the above subjects.

Enclosures 6

CLSmith:scg

P. O. Box 232
Berryville, Texas

July 6, 1932

To: R. V. Mudgline, In Charge, Division of Insects
Affecting Man and Animals

From: C. L. Smith, Acting in Charge, Berryville, Texas

Subject: Big Stinky Fly Traps and Title For Application

Transmitted herewith are reports relative to the above subjects.

Enclosures 8

CLSmith:eeg

July 6, 1951

BIG STINKY FLY TRAPS

H. H. Brundrett

The purpose of these studies was to determine the efficiency of "Big Stinky" fly traps and with this in mind tests were conducted, comparing these traps with the government standard fly trap.

The first comparative test was initiated late in 1950 and because of the onset of cool weather later tests were conducted in 1951. In 1950 four big stinky traps were set in operation according to directions. Two were baited with beef liver and two with lean beef. The government standard trap was baited with beef liver. During the trapping period, October 30 to November 30, the big stinky traps caught but a handful of flies each, while the standard trap caught 15 pints.

In a second test conducted from May 4 to June 1, 1951, only two big stinky traps were compared to the government standard trap. These were one gallon capacity and one-half gallon capacity. One each of these traps and the standard trap were set near the station stock barns and operated according to directions for four weeks. Water was added as needed and the baits stirred. During this period the fly catch is tabulated below:

Trap #	Bait	Flies taken Ounce	Quarts
1. "Big Stinky" (small)	½ lb. beef liver + ½ pt. water	180	1.5
2. "Big Stinky" (large)	½ lb. lean beef + ½ pt. water	60	1.0
3. Gov't. standard	2 lb. beef liver + 4 qt. water	1370	24

This test showed again the greater efficiency of the standard trap in taking 16 times as many flies, 3 pints to 48 pints, and twice as many for the same amount of bait, 3 pints to 6 pints per ½ pound of bait.

Quarterly Bulletin, 1951

BIRD REMOVAL TRAPS

H. H. Crowhurst

The purpose of these studies was to determine the efficiency of "Elimo" fly traps and which kinds in mixed herds were controlled, comparing these traps with the government standard fly trap.

The first comparative test was initiated June 10, 1950 and because of the small number Jersey heads were contained in 1951. In 1950 four big stable traps were set in operation according to directions. Two were baited with beef liver and two with lamb head. The government standard trap was baited with beef liver. During the trapping period, October 20 to November 30, the fly catches ranged for a bushel of flies each, while the standard trap caught 12 pints.

In a second test conducted from May 4 to June 1, 1951, only two big stable traps were compared to the government standard trap. These were one gallon capacity and one-half gallon capacity. One each of these traps and the standard trap were set near the stables about noon and operated according to directions for four weeks. Water was added as needed and the baits changed. During this period the fly catch is tabulated below:

Trap #	Bait	Gross	Trips Taken Gross
1. "Elimo Stable" (small)	½ lb. beef liver + ½ pt. water	320	3.4
2. "Elimo Stable" (large)	½ lb. lamb head + ½ pt. water	60	1.2
3. Gov't. standard	½ lb. beef liver + ½ qt. water	1270	24

Table bears skewed again the greater efficiency of the standard trap in baiting 24 times as many flies, 3 pints to 42 pints, and taking as many for the same amount of bait, 3 pints to 6 pints per ½ pound of bait.

A third test was conducted from June 1 to June 29 using the same traps and procedure as was used in test number 2. During this period the fly catch is tabulated below:

Trap #	Bait	Total catch	Flies taken Per lb. bait
1. "Big Stinky" (small)	½ lb. beef liver + ½ pt. water	1 qt.	4 qts.
2. "Big Stinky" (large)	½ lb. lean beef + ½ pt. water	2.5 qt.	10 "
3. Gov't. standard	2 lb. beef liver + 4 qt. water	19 qt.	9.5* "

*Due to the large number of dermestid beetles in this trap it is estimated that a total of four quarts of flies were destroyed. The flies destroyed are not considered in the above tabulation.